






MONTHLY PROJECT STATUS REPORT

Project Name & Number	Thurston County Emergency Radio Network (TCERN) Project TCOMM #19-PM, ADCOMM PN#0682
Client Name & Contact	TCOMM 911, Attn: Wendy Hill, Executive Director
Reporting Period & Report ID#	July 1 – 31, 2023; 2023-07
PM Name & Date Submitted	Prepared by Molly Kovaka, Senior PM, ADCOMM Engineering Submitted August 17, 2023

This report provides a monthly summary of the activities, issues, and accomplishments on the **TCERN Project** per **TCOMM Agreement No. 2019-PM**.

EXECUTIVE SUMMARY

Overall Project Health

-  Schedule – The new finish date approved in Change Order #5 is 10/25/24. Delays to FS-82 permitting and Dupont site lease are both a risk to this end date.
-  Budget – Motorola Change Order #5 is executed
-  Impediments – Local permitting for FS 8-2 continues to be delayed. Dupont site leases need to be updated.

Legend: Green = On Track Yellow = Actively Managing Concerns Red = Significant Concern

July was a quieter month for project activity, with vacation season in full swing and limited availability for many project team members and resources. Project work continued, however, with focus on multiple key current priorities and activities.

The TCOMM Radio Shop staff attended a week-long technical training for subscriber radio operation, maintenance, and administration during the week of July 10. The TCOMM project team conducted an in-depth schedule review meeting on July 25 to update and synchronize priorities and plan for the next 6 and 12 months of project work. The Motorola field crews continued to work on completing site/civil work for active construction sites, installing new P25 radio equipment where possible, and testing and optimizing individual radio sites as they became available. All of this field activity is working towards the goal of completing turn-up and optimization of the South Simulcast Cell sites by the end of August.

MAJOR PROJECT TASKS AND DELIVERABLES

Accomplishments This Period

- TCOMM placed the **final subscriber radio “true-up” order** with Motorola when Change Order #5 was executed. Motorola is in process of putting that order through their system before they can provide an expected ship date.
- TCOMM programmed and installed a **test DVRS (digital vehicular repeater system) unit** in a member agency rig to support testing of the DVRS capability to extend local radio coverage for fire ground operations or other cases where the new P25 radio system coverage is limited.

Planned for Next Period

3. **Control station hardware and installation instruction packages** were delivered to Bald Hills FD17 and Bucoda Fire Department in July.
 4. TCOMM Radio Shop staff attended **Motorola training course "APX010 - APX Technical Subscriber Academy"** the week of July 10, to prepare them to manage and support the new TCERN system fleet of subscribers.
 5. Motorola completed **configuring, testing, and optimizing** the new radio system hardware at **Niederman and Summit Lake** sites.
 6. TCOMM began coordination with the Pierce County CCN radio shop to program subscriber radio lists into each other's radio systems to **support interoperability between TCERN, Pierce CCN, and Washington State Patrol (WSP) radio systems.**
1. TCOMM radio shop will coordinate documentation and testing of use cases for the test **DVRS (digital vehicular repeater system) unit** that was installed in a member agency rig in July.
 2. The **Elliott Tanks site is scheduled to be completed** by the Motorola team soon and site acceptance walks will need to be scheduled.
 3. Radio Shop staff will continue to work with member agencies to deliver **control station hardware and installation instruction packages** to all agencies who have not yet arranged to receive theirs.
 4. Motorola will continue to work on configuring, testing, and **optimizing the P25 radio system hardware at South Simulcast Cell sites**, with the goal of completing optimization of the cell by the end of the summer.
 5. TCOMM Radio Shop staff will attend the **Motorola training course "AST4102 - Radio System Administration"** to prepare them to manage and administer the new P25 radio system once it comes online.

Changes This Period

1. Cost change to have Motorola run five (5) additional cable runs at the 8th & Fir site for TCOMM use was approved. (C-0112)

IMPEDIMENTS ENCOUNTERED THIS PERIOD

Impediment 1

The **new Johnson Point radio site at FS 8-2** is still stalled in permitting with Thurston County. A third public hearing is required with the plans examiner and additional documentation requirements are being identified that were not previously communicated.

Plan or Action to Resolve

The Motorola team is working with the County Planning department to identify all required documents and processes and to satisfy those requirements so that the permit for the site can be issued. TCOMM staff have escalated the permitting delay issue to County colleagues and a letter of concern has been sent to the County Permitting management.

Impediment 2

The **site lease at Dupont Radio Site** expired in June 2022. Construction at the site cannot proceed without a valid lease in place.

Plan or Action to Resolve

TCOMM is working to escalate the site lease renewal with representatives of site owner JBLM (Joint Base Lewis McChord) and also considering options to bring the new P25 radio system live without this site, if necessary. The Joint Spectrum Center (JSC) completed the required spectrum studies and provided a report that indicated no significant issues with the proposed installations.

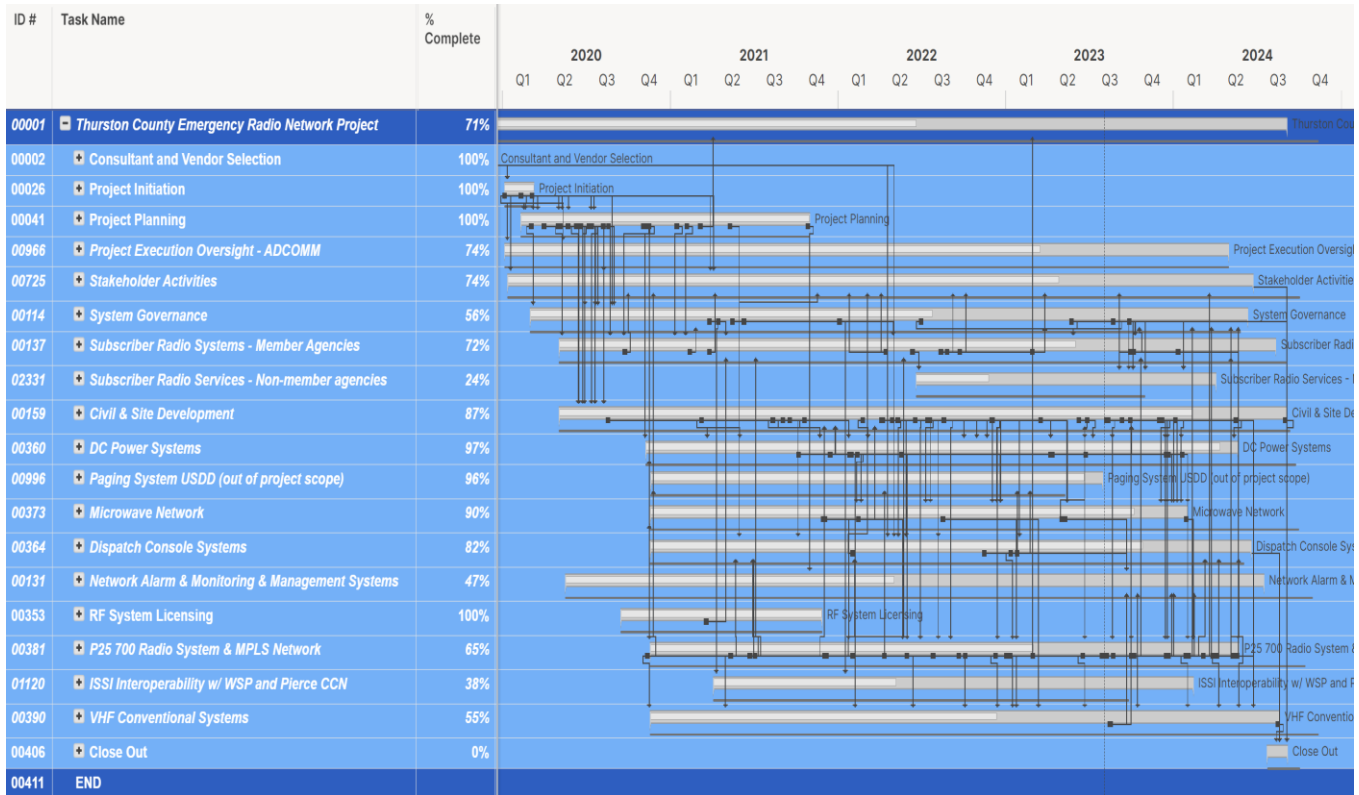
Impediment 3

TCOMM has received multiple reports from independent 3rd parties about **deficiencies in the quality and completeness of the installation of antennas**, mounts, and

Plan or Action to Resolve

cabling on several towers across the TCERN system. Issues include loose bolts or nuts, improperly installed antenna mounts, and inadequate weatherproofing.

TCOMM has shared the deficiency reports with Motorola and asked them to repair or remediate all of the items identified.



Distribution to:

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ADCOMM: Susan Ronning, Shawn Halsey, Jennifer Skilowitz